



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342540 - BOGIE/CENTER AXLE



**Sample No:** VCP0007585  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007585</b>	VCP336952	VCP306718	VCP269645
Sample Date	<b>06 Jul 2023</b>	09 Nov 2021	12 Feb 2021	08 Apr 2020
Machine Hours	<b>0</b>	4094	3069	2084
Oil Hours	<b>0</b>	2000	1000	0
Oil Changed	<b>N/A</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**QGS - QUALITY GRASSES SERV/TCF LEASING**  
 17502 CR 672  
 LITHIA, FL  
 US 33547  
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 grogers@qgsdevelopment.com  
 T: (813)323-4119  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>281</b>	285	284	51.9
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### CONTAMINATION

Silicon	ppm	<b>5</b>	7	2	4
Sodium	ppm	<b>0</b>	<1	<1	4
Potassium	ppm	<b>2</b>	0	0	4

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>187</b>	81	48	238
Copper	ppm	<b>1</b>	3	<1	3
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>0</b>	<1	<1	<1
Chromium	ppm	<b>3</b>	1	<1	4
Molybdenum	ppm	<b>4</b>	2	2	11
Nickel	ppm	<b>1</b>	<1	<1	1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	<1	<1	0
Manganese	ppm	<b>9</b>	2	1	8
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>55</b>	135	80	83
Magnesium	ppm	<b>10</b>	5	6	1
Zinc	ppm	<b>56</b>	50	34	31
Phosphorus	ppm	<b>1056</b>	1028	988	2157
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>257</b>	190	183	203

**Depot:** QUALITFL  
**Unique No:** 10549876  
**Signed:** Sean Felton  
**Report Date:** 11 Jul 2023



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## GRAPHS

